

WHAT IS CLAIMED IS:

1. A mechanism for fast fastening fans of a server, comprising:
 - a fastening frame of hollow parallelepiped shape, the fastening frame comprising at least one divider for dividing an internal space of the fastening
 - 5 frame into a plurality of compartments each having two opposite openings on front and rear walls respectively, a plurality of first fastening members each disposed inside the compartment to be abutted on and perpendicular to the divider, each of the first fastening members comprising a positioning groove abutted on the divider;
 - 10 a plurality of fans each disposed in each of the compartments and having an outlet completely aligned with the front and the rear openings; and
 - a plurality of second fastening member disposed on a housing of the server, the second fastening members being adapted to correspond to the first fastening members so that the first and the second fastening members are capable of
 - 15 securing together by snapping the second fastening members in the positioning grooves.
2. The mechanism of claim 1, wherein the first fastening member is a pair of longitudinal flexible arms each comprising a transverse projection at an open top end extended toward the positioning groove and a pair of opposite
- 20 protuberances facing the positioning groove.
3. The mechanism of claim 1, wherein the second fastening member is of longitudinal hollow shape having a section of U, the second fastening member comprising a cavity at either side.
4. The mechanism of claim 3, wherein the second fastening members are
- 25 disposed on the housing of the server between an interface circuit board and a converter in front of a power supply.
5. The mechanism of claim 4, wherein power of each of the fans is fed from a

power cord extended from one side of the fastening frame to couple to the interface circuit board.

6. The mechanism of claim 4, wherein a width of the fastening frame is equal to that of the power supply in the housing of the server.
- 5 7. The mechanism of claim 1, wherein the fans are arranged in a row in the fastening frame to form a fan assembly.